

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

PATENT
Attorney Docket No.: 021044-005600US

Assistant Commissioner for Patents, P.O. Box 1450
Washington, D.C. 20231 Alexandria, VA 22313-1450

On July 1, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

PETITION TO CORRECT
INVENTORSHIP UNDER
37 C.F.R. § 1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants petition under 37 C.F.R. § 1.48(a) to add Simon Yu, Xiang Xu, and Cindy Leo as inventors to the above-identified patent application; and to remove C. Alan Fu and Mary Shen as inventors to the above-identified patent application.

As required by 37 C.F.R. § 1.48(a), the following are submitted herewith:

- (1) Statements each from Simon Yu, Xiang Xu, and Cindy Leo stating that it was through error without deceptive intent that they were not named as an inventor in the above-identified patent application;
- (2) Statements each from C. Alan Fu and Mary Shen stating that it was through error without deceptive intent that they were named as an inventor in the above-identified patent application;

Ying Luo et al.
Application No.: 10/029,115
Page 2

PATENT

- (3) Declarations each from the actual inventors as required by 37 C.F.R. § 1.63,
- (4) The processing fee set forth in 37 C.F.R. § 1.17(i), and
- (5) Written consent from the assignee, Rigel Pharmaceuticals, Inc.

Please deduct the petition fee of \$130.00, pursuant to 37 C.F.R. § 1.20(b), from Deposit Account No. 20-1430 of the undersigned. Please charge any additional fees or credit overpayment to the above Deposit Account. This petition is submitted in triplicate.

Respectfully submitted,



Beth L. Kelly
Reg. No. 51,858

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:blk
SF 1424410 v1

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Assistant Commissioner for Patents, P.O. Box 1450
Washington, D.C. 20231 Alexandria, VA 22313-1450

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TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

STATEMENT UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Simon Yu, state that it was through error without deceptive intent that I was not named as an inventor in the above-referenced patent application.

Dated: 3-20-03

By [Signature]
Simon Yu

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:blk

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Attorney Docket No.: 021044-005600US

~~Assistant Commissioner for Patents, P.O. Box 1450~~
~~Washington, D.C. 20231~~ Alexandria, VA 22313-1450

On July 1, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

STATEMENT UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Xiang Xu, state that it was through error without deceptive intent that I was not named as an inventor in the above-referenced patent application.

Dated: 3-20-03

By [Signature]

Xiang Xu

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:blk

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~~Washington, D.C. 20231~~ Alexandria, VA 22313-1450

On July 1, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

STATEMENT UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Cindy Leo, state that it was through error without deceptive intent that I was not named as an inventor in the above-referenced patent application.

Dated: 4/28/03

By [Signature]

Cindy Leo

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:dk

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PATENT
Attorney Docket No.: 021044-005600US

Assistant Commissioner for Patents, P.O. Box 1450
Washington, D.C. 20231 Alexandria, VA 22313-1450

On July 1, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

STATEMENT UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, C. Alan Fu, state that it was through error without deceptive intent that I was named as an inventor in the above-referenced patent application.

Dated: 4/25/2003

By [Signature]

C. Alan Fu

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:blk

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PATENT
Attorney Docket No.: 021044-005600US

Assistant Commissioner for Patents, P.O. Box 1450
~~Washington, D.C. 20231~~ Alexandria, VA 22313-1450

On July 1, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: Joe Dallen

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

STATEMENT UNDER 37 C.F.R §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Mary Shen, state that it was through error without deceptive intent that I was named as an inventor in the above-referenced patent application.

Dated: 03/20/2003

By Mary Mary Luo Shen

Mary Shen

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:blk

Attorney Docket No.: 021044-005600US

DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: NOVEL GERMINAL KINASE CENTER PROTEINS, COMPOSITIONS, AND METHODS OF USE the specification of which ____ is attached hereto or X was filed on October 19, 2001 as Application No. 10/029,115 and was amended on June 17, 2002.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

Full Name of Inventor 1:	Last Name: LUO	First Name: YING	Middle Name or Initial:	
Residence & Citizenship:	City: Shanghai	State/Foreign Country: Peoples Republic of China	Country of Citizenship: Peoples Republic of China	
Post Office Address:	Post Office Address: Zhangjiang Hi-Tech Park Pudong New Area 351 Guo Shu Jing Road Bldg. 1, Suite 511	City: Shanghai	State/Country: Peoples Republic of China	Postal Code: 201203

Attorney Docket No.: 021044-005600US

Full Name of Inventor 2:	Last Name: YU	First Name: SIMON	Middle Name or Initial:	
Residence & Citizenship:	City: Newark	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 5670 Geranium Court	City: Newark	State/Country: California	Postal Code: 94560
Full Name of Inventor 3:	Last Name: XU	First Name: XIANG	Middle Name or Initial:	
Residence & Citizenship:	City: South San Francisco	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 185 Cymbidium Circle	City: South San Francisco	State/Country: California	Postal Code: 94080
Full Name of Inventor 4:	Last Name: LEO	First Name: CINDY	Middle Name or Initial:	
Residence & Citizenship:	City: San Francisco	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 10 Corona Street	City: San Francisco	State/Country: California	Postal Code: 94127

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 _____ Ying Luo Date	Signature of Inventor 2 _____ Simon Yu Date 3-20-03	Signature of Inventor 3 _____ Xiang Xu Date 3-20-03
Signature of Inventor 4 _____ Cindy Leo Date		

SF 1425005 v1

Attorney Docket No.: 021044-005600US

DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: NOVEL GERMINAL KINASE CENTER PROTEINS, COMPOSITIONS, AND METHODS OF USE the specification of which ____ is attached hereto or X was filed on October 19, 2001 as Application No. 10/029,115 and was amended on June 17, 2002.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

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Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

Full Name of Inventor 1:	Last Name: LUO	First Name: YING	Middle Name or Initial:	
Residence & Citizenship:	City: Shanghai	State/Foreign Country: Peoples Republic of China	Country of Citizenship: United States	
Post Office Address:	Post Office Address: Zhangjiang Hi-Tech Park Pudong New Area 351 Guo Shu Jing Road Bldg. 1, Suite 511	City: Shanghai	State/Country: Peoples Republic of China	Postal Code: 201203

Attorney Docket No.: 021044-005600US

Full Name of Inventor 2:	Last Name: YU	First Name: SIMON	Middle Name or Initial:	
Residence & Citizenship:	City: Newark	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 5670 Geranium Court	City: Newark	State/Country: California	Postal Code: 94560
Full Name of Inventor 3:	Last Name: XU	First Name: XIANG	Middle Name or Initial:	
Residence & Citizenship:	City: South San Francisco	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 185 Cymbidium Circle	City: South San Francisco	State/Country: California	Postal Code: 94080
Full Name of Inventor 4:	Last Name: LEO	First Name: CINDY	Middle Name or Initial:	
Residence & Citizenship:	City: San Francisco	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 10 Corona Street	City: San Francisco	State/Country: California	Postal Code: 94127

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
Ying Luo Date	Simon Yu Date	Xiang Xu Date
Signature of Inventor 4		
Cindy Leo Date 4/24/03		

SF 1425006 v1

Attorney Docket No.: 021044-005600US

DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **NOVEL GERMINAL KINASE CENTER PROTEINS, COMPOSITIONS, AND METHODS OF USE** the specification of which is attached hereto or X was filed on October 19, 2001 as Application No. 10/029,115 and was amended on June 17, 2002.

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I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

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Application No.	Date of Filing	Status

Full Name of Inventor 1:	Last Name: LUO	First Name: YING	Middle Name or Initial:	
Residence & Citizenship:	City: Shanghai	State/Foreign Country: Peoples Republic of China	Country of Citizenship: United States	
Post Office Address:	Post Office Address: Zhangjiang Hi-Tech Park Pudong New Area 351 Guo Shu Jing Road Bldg. 1, Suite 511	City: Shanghai	State/Country: Peoples Republic of China	Postal Code: 201203

Attorney Docket No.: 021044-005600US

Full Name of Inventor 2:	Last Name: YU	First Name: SIMON	Middle Name or Initial:	
Residence & Citizenship:	City: Newark	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 5670 Geranium Court	City: Newark	State/Country: California	Postal Code: 94560
Full Name of Inventor 3:	Last Name: XU	First Name: XIANG	Middle Name or Initial:	
Residence & Citizenship:	City: South San Francisco	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 185 Cymbidium Circle	City: South San Francisco	State/Country: California	Postal Code: 94080
Full Name of Inventor 4:	Last Name: LEO	First Name: CINDY	Middle Name or Initial:	
Residence & Citizenship:	City: San Francisco	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 10 Corona Street	City: San Francisco	State/Country: California	Postal Code: 94127

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like s made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 Ying Luo Date	Signature of Inventor 2 Simon Yu Date	Signature of Inventor 3 Xiang Xu Date
Signature of Inventor 4 Cindy Leo Date 11/24/03		

SF 1425005 v1



UNITED STATES PATENT AND TRADEMARK OFFICE

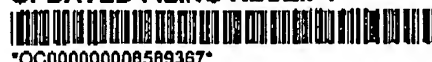
COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/029,115	10/19/2001	1653	953	A- 70229/RMS/DHR	19	15	12

CONFIRMATION NO. 2856

DORSEY & WHITNEY LLP
Suite 3400
Four Embarcadero Center
San Francisco, CA 94111-4187

UPDATED FILING RECEIPT



OC000000008589367

Date Mailed: 08/08/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Ying Luo, Shanghai, CHINA;
~~G. Alan Fu, Union City, CA; remove~~
~~Mary Shon, Newark, CA; remove~~

add { Simon Yu, Newark, CA;
Xiang Xu, South San Francisco, CA;
Cindy Leo, San Francisco, CA

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 03/14/2002

Projected Publication Date: 04/24/2003

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Novel germinal center kinase proteins, compositions and methods of use

Preliminary Class

435

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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~~Assistant Commissioner for Patents, P.O. Box 1450~~
~~Washington, D.C. 20231~~ Alexandria, VA 22313-1450

On July 1, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: J. Ballman

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ying Luo et al.

Application No.: 10/029,115

Filed: October 19, 2001

For: NOVEL GERMINAL KINASE
CENTER PROTEINS, COMPOSITIONS,
AND METHODS OF USE

**CONSENT OF ASSIGNEE FOR
CORRECTION OF INVENTORSHIP**

UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The assignee of the above-identified patent, Rigel Pharmaceuticals, Inc., consents to amending the subject patent application to add Simon Yu, Xiang Xu, and Cindy Leo as inventors to the above-identified patent application; and to remove C. Alan Fu and Mary Shen as inventors to the above-identified patent application.

Ying Luo et al.
Application No.: 10/029,115
Page 2

PATENT

In accordance with 37 CFR § 3.73, a copy of the executed assignment submitted for recording is enclosed to establish Rigel Pharmaceuticals, Inc.'s ownership of the above-referenced patent application.

RIGEL PHARMACEUTICALS, INC.

Date: May 29, 2003

By: 


Name: Dolly A. Vance

General Counsel, VP Intellectual Property

Title:

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:blk
SF 1424714 v1

Attorney Docket No. 021044-005600US

F m PTO-1595 (Rev. 10-02) OMB No. 0651-0027 (exp. 5/31/2002)		Recordation Form Cover Sheet PATENTS ONLY		U.S. Department of Commerce U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Ying Luo Simon Yu Xiang Xu Cindy Leo Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			2. Name and address of receiving party(ies) Name: Rigel Pharmaceuticals, Incorporated Internal Address: Street Address: 1180 Veterans Boulevard City: South San Francisco State: CA ZIP: 94080 Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:			Execution Dates: <u>March 20, 2003, April 28 and 30, 2003</u>		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s): 10/029,115 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Beth L. Kelly TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 576-0200			6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41): -----\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 20-1430 (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
Beth L. Kelly Name of Person Signing Atty. Reg. No. 51,868		 Signature		July 1, 2003 Date	
Total number of pages including cover sheet, attachments and documents: 6 Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450					

Attorney Docket No.: 021044-005600US

ASSIGNMENT

WHEREAS, Ying Luo of Zhangjiang Hi-Tech Park Pudong New Area, 351 Guo Shao Jing Road, Bldg. 1, Suite 522, Shanghai, 201203, Peoples Republic of China; Simon Yu of 5670 Geranium Court, Newark, CA 94560; Xiang Xu of 185 Cymbidium Circle, South San Francisco, CA 94080; Cindy Leo of 10 Corona Street, San Francisco, CA 94127 hereinafter referred to as "ASSIGNOR," is the owner of all rights in certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NOVEL GERMINAL KINASE CENTER PROTEINS,
COMPOSITIONS, AND METHODS OF USE

Filing Date: October 19, 2001

Serial No.: 10/029,115

WHEREAS, Rigel Pharmaceuticals, Incorporated of 240 East Grand Avenue, South San Francisco, CA, 94080, hereinafter referred to as "ASSIGNEE," wants to acquire an interest in the invention and application and in any Letters Patent and Registrations that may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

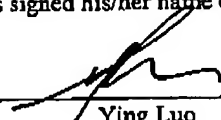
Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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WITNESS SIGNATURE BLOCK:

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 4/30/3



Ying Luo

SIGNATURE WITNESSED BY:

(1) Date: _____

Signature of Witness 1

(Typed or printed name)

(2) Date: _____

Signature of Witness 2

(Typed or printed name)

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Simon Yu3-20-03

On 3-20-03, before me, Maryalice McFarland,
personally appeared Simon Yu, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Maryalice M. Farland
NOTARY PUBLIC

My Commission Expires: 9-23-04

STATE OF California)
COUNTY OF San Mateo)

ss.



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3-20-03

On 03-20-03, before me, Maryalice T McFarland, personally appeared Xiang Xu, personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that ~~he~~ she executed the same in ~~his~~ her authorized capacity, and that by ~~his~~ her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Maryalice T McFarland
NOTARY PUBLIC

My Commission Expires: 9/23/04

STATE OF California)
COUNTY OF San Mateo)

ss.



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On _____, before me, _____,
personally appeared Cindy Leo, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Chun-yi Leo
Signature

Chun-yi Leo
Typed or Printed Name

Date: 4/28/03

WITNESS:

Jason Leo
Signature

Jason Leo
Typed or Printed Name

Date: 4/28/2003

SF 1425259 v1